

Time  
Fig. 1A

Frequency  
Fig. 1B

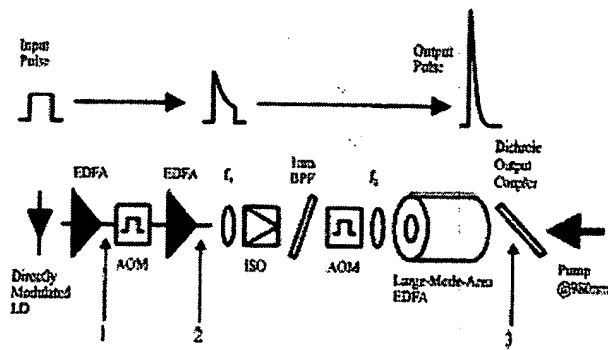


Fig. 1C

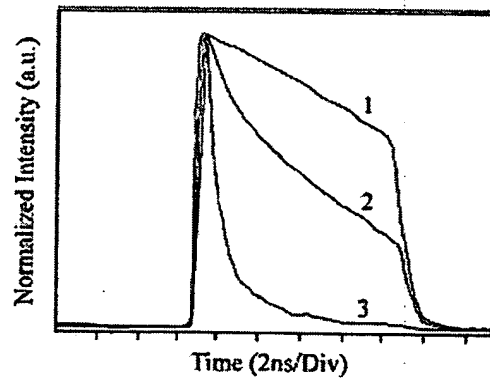
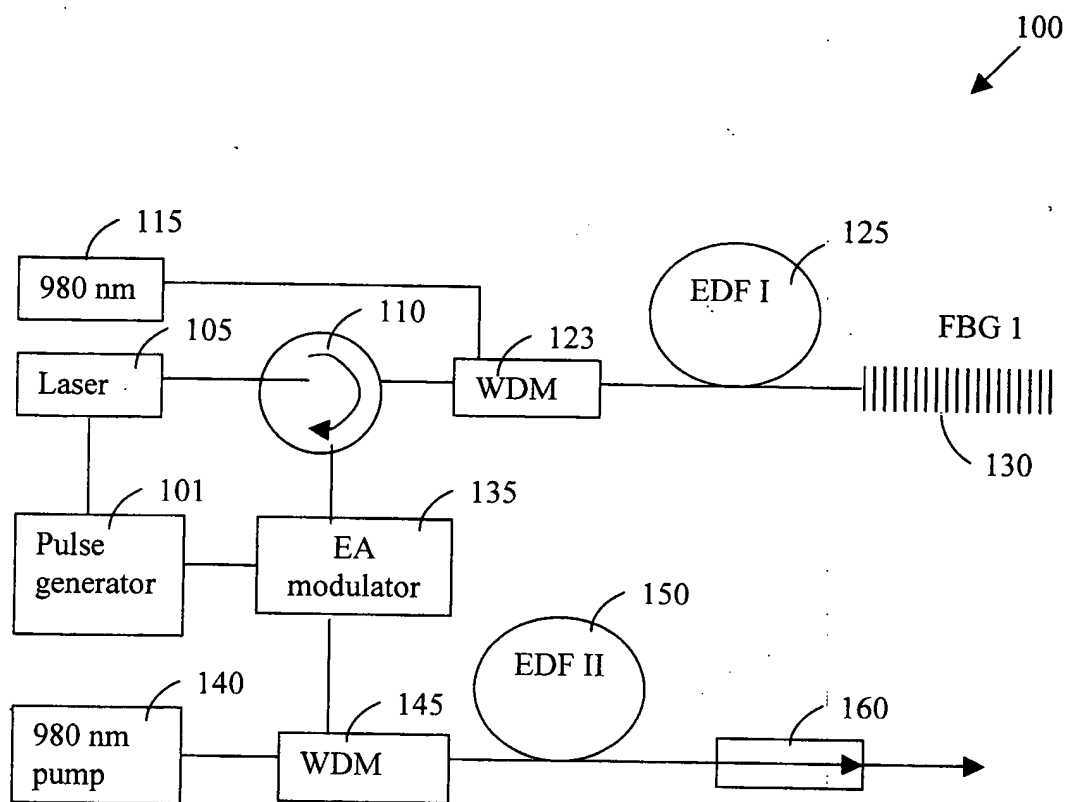


Fig. 1D



**Figure 2**

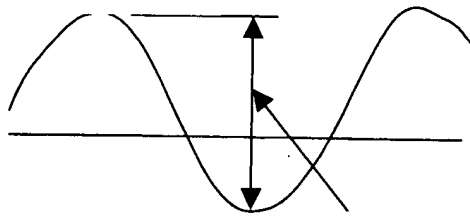


Fig. 3A

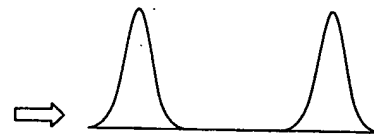


Fig. 3B

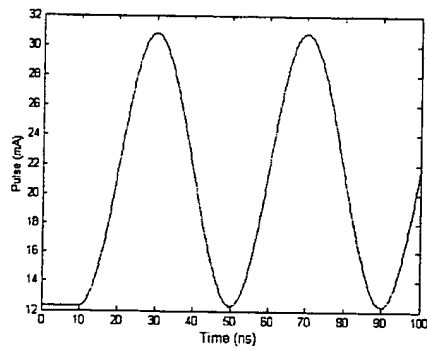


Fig. 3C

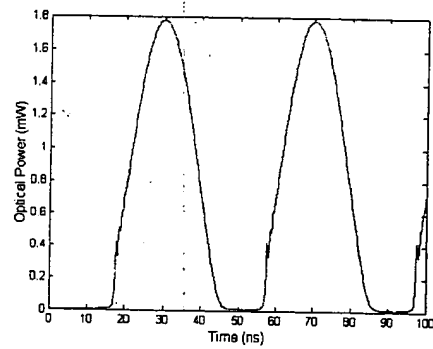


Fig. 3D

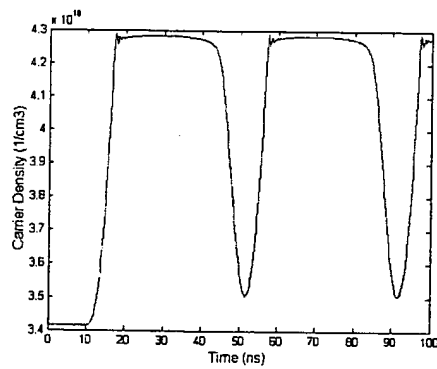


Fig. 3E

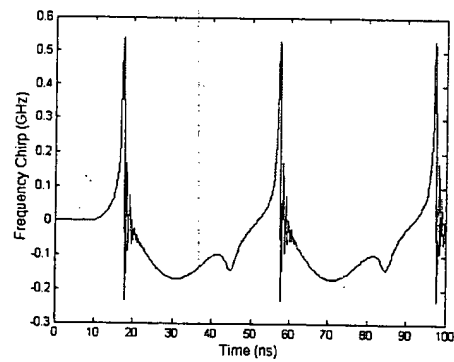


Fig. 3F

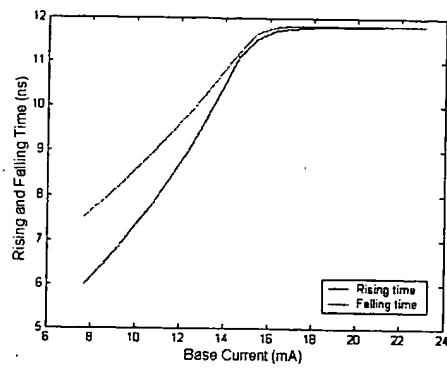


Fig. 3G

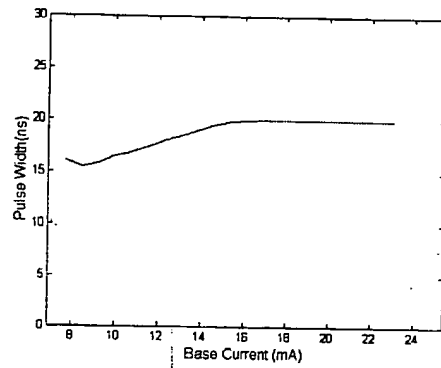


Fig. 3H

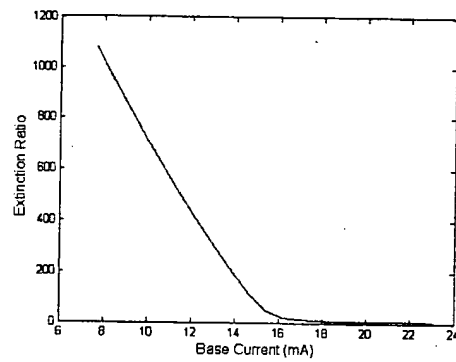


Fig. 3I

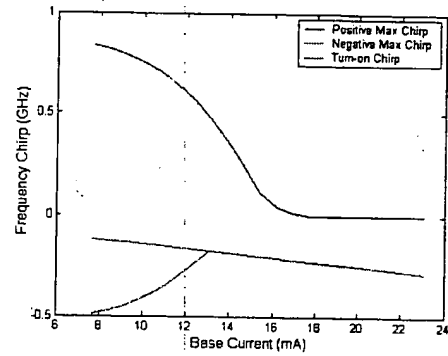


Fig. 3J

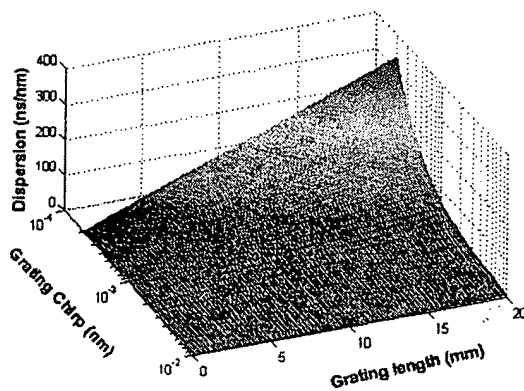


Fig. 4A

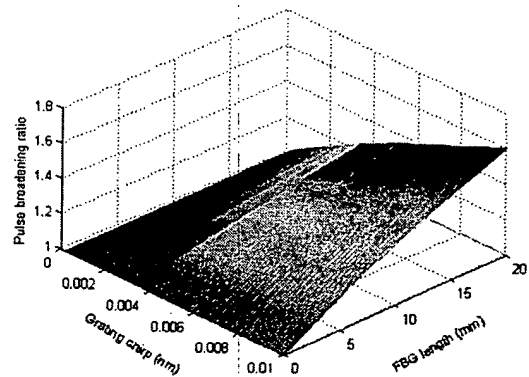


Fig. 4B

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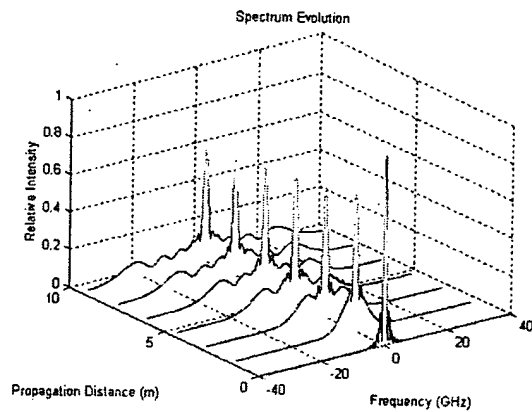


Fig. 4C

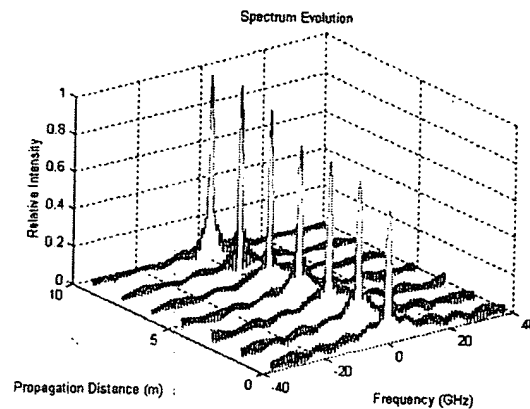


Fig. 4D

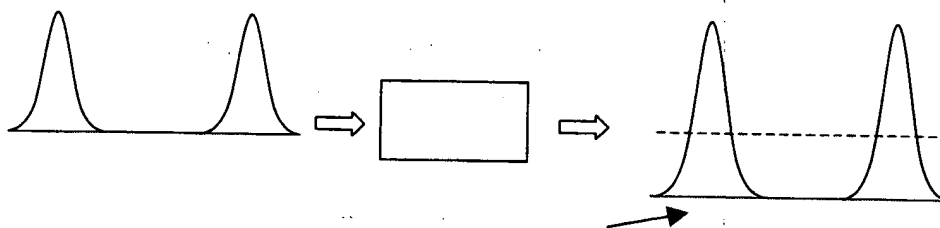


Fig. 5A

Fig. 5B

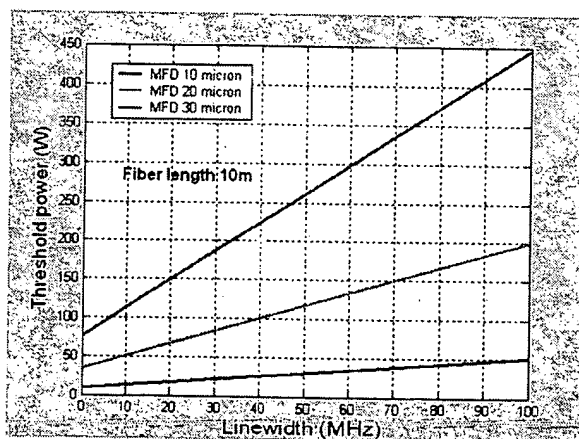


Fig. 6A

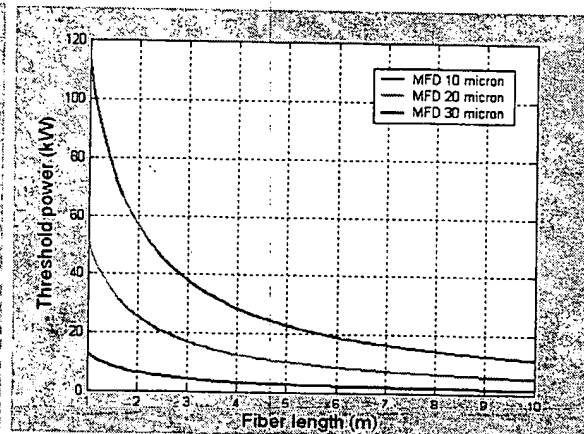
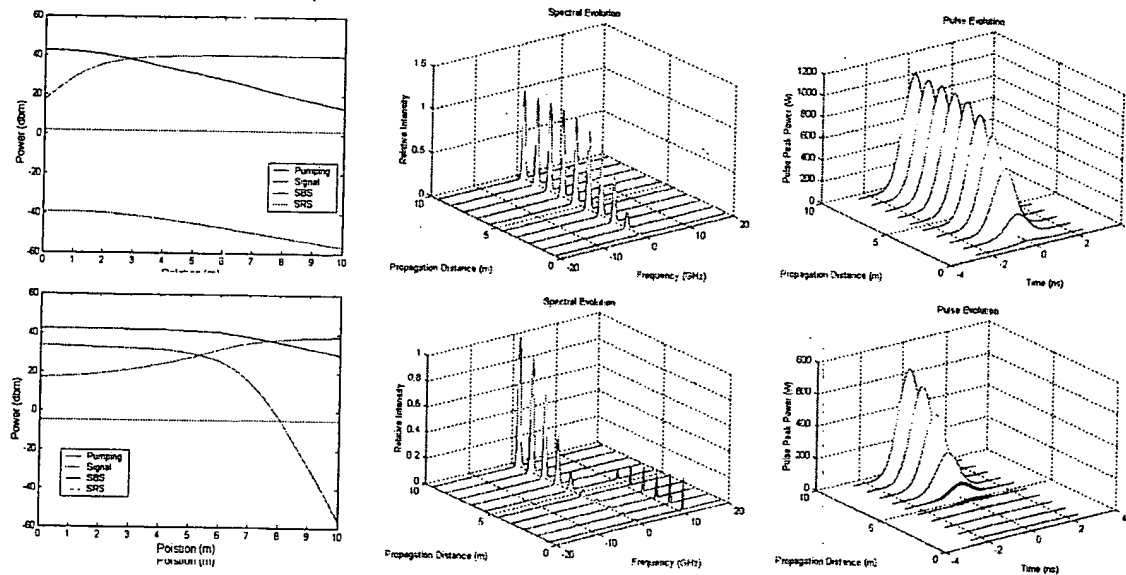
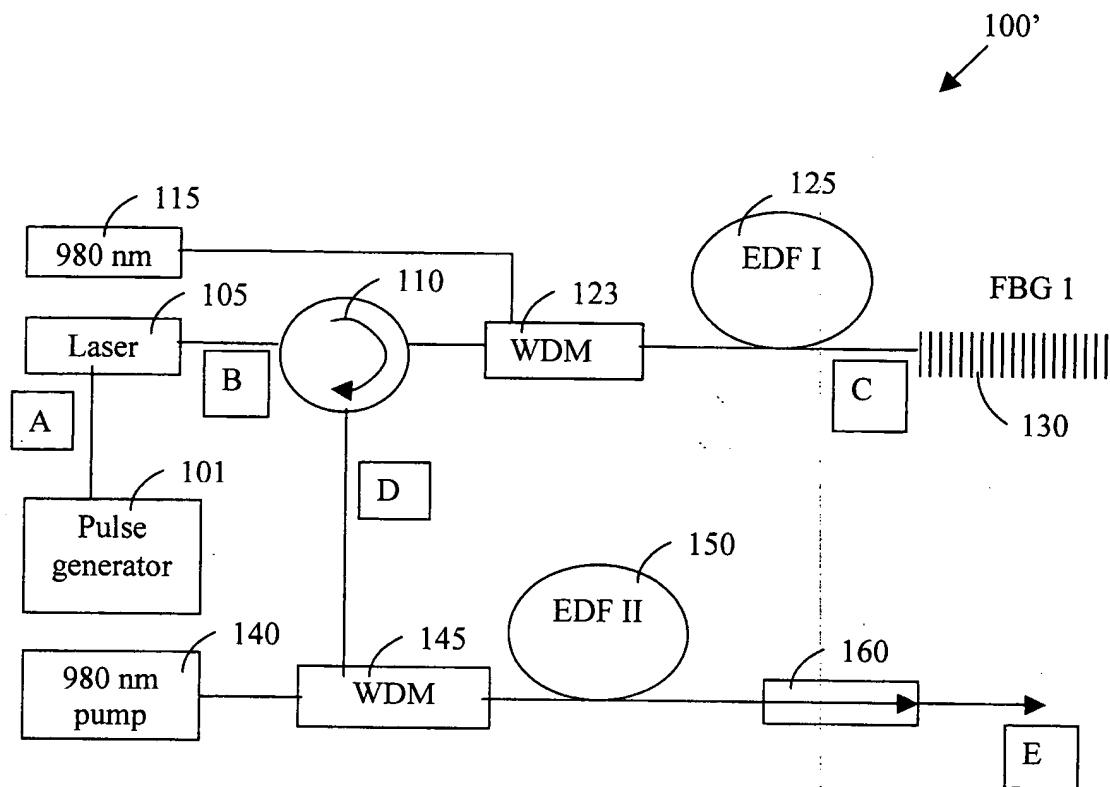


Fig. 6B



Figs. 7A to 7F : Simulation results for pulse propagation in high power amplifiers with two different core diameters 35 micron (upper figures) and 10 micron (lower figures) in consideration of SBS and SRS



**Figure 8**

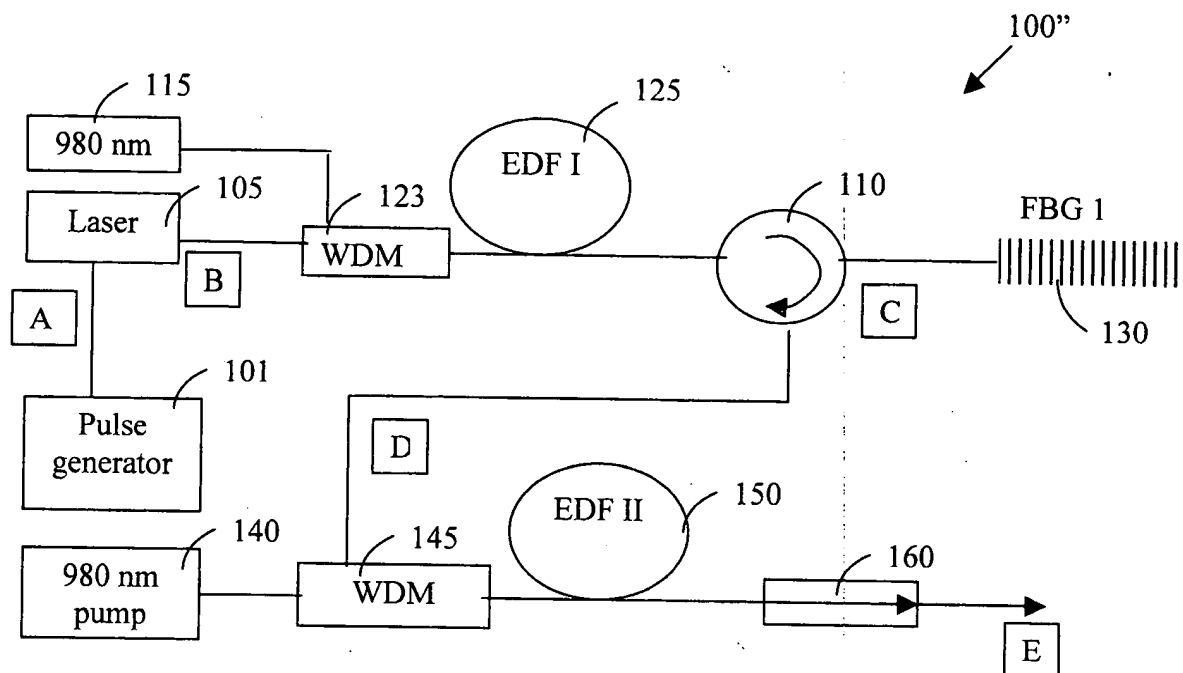


Figure 9

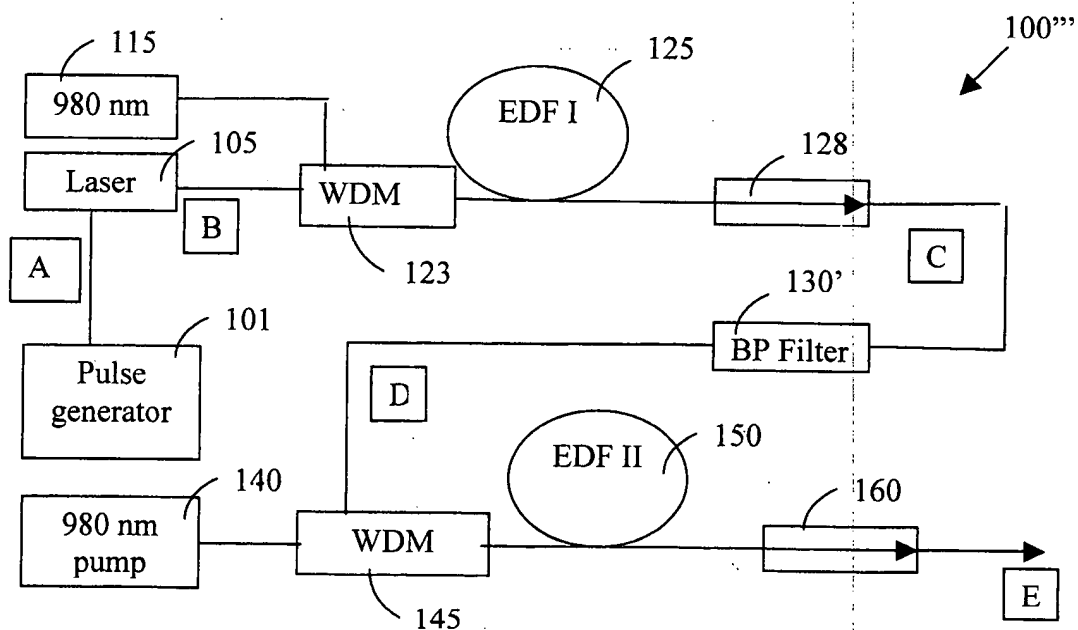
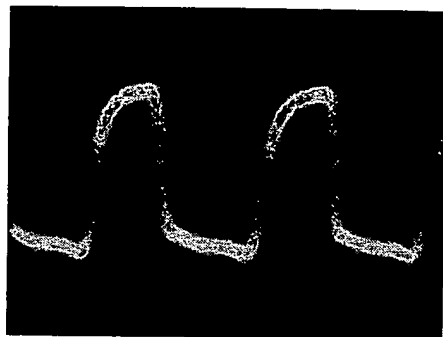


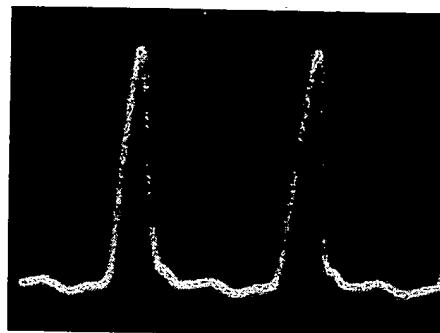
Figure 10

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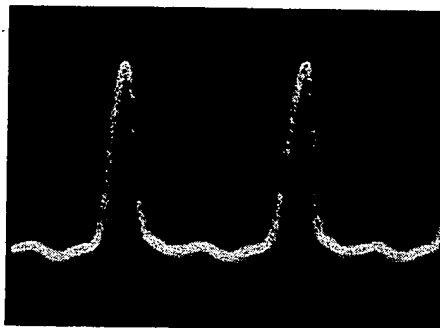




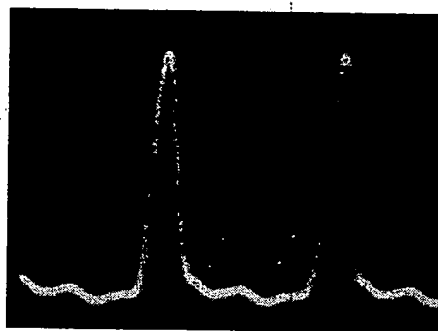
**Fig. 11A-Point A**



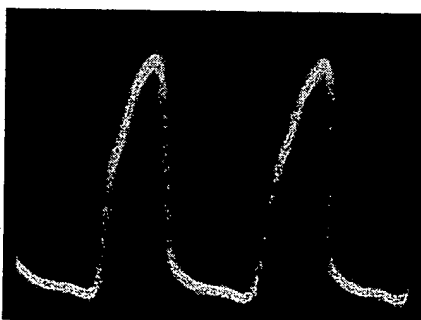
**Fig. 11B-Point B**



**Fig. 11C-Points C&D**



**Fig. 11D Point E**



**Figure 11E Pulse distortion occurs w/o a filter**

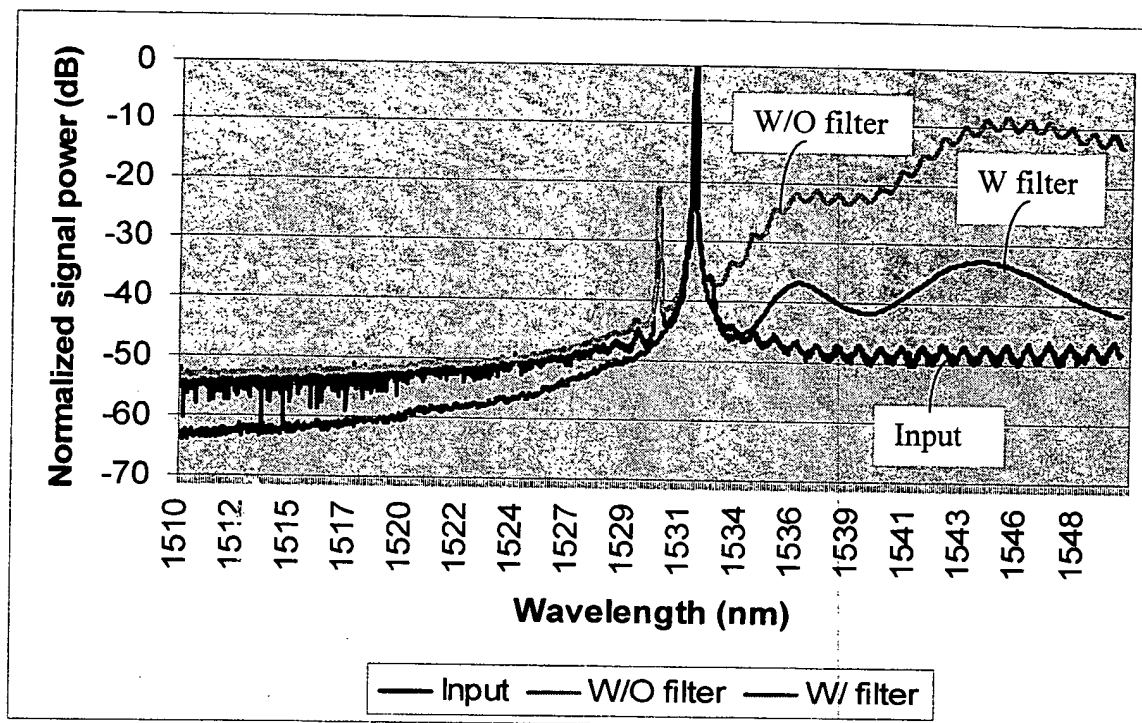


Figure 12 Input and output optical spectra of the fiber laser